

OPTION

GetWireless

CloudGate

4.0 NEXT GENERATION



option.com

IoT gateways designed with Option CloudGate signature features

- Ruggedized design
- Industrial grade temperature ranges
- Timed wake-up & ignition sensing
- Passive & active GPS antenna support
- SIM connection

INTRODUCING mini & micro

All CloudGate 4.0 next generation IoT gateways feature world-wide connectivity & optional Li-ion battery.

OPTION

CloudGate

Industrial grade, highly customizable cellular connectivity

CloudGate mini

Industrial grade cellular connectivity with advanced IO

CloudGate micro

Industrial grade, cost-effective cellular connectivity

		CloudGate LTE WW REV4	CloudGate mini	CloudGate micro
WWAN Modem	Supported frequency bands	- LTE FDD: B1, B2, B3, B4, B5, B7, B8, B12, B13, B18, B19, B20, B26, B28 - TDD: 38/39/40/41	- LTE FDD: B1, B2, B3, B4, B5, B7, B8, B12, B13, B18, B19, B20, B26, B28 - TDD: 38/39/40/41	- LTE FDD: B1, B2, B3, B4, B5, B7, B8, B12, B13, B18, B19, B20, B26, B28 - TDD: 38/39/40/41
	Max. connectivity speeds	• LTE DL 150 Mbps, UL 50 Mbps	• LTE DL 150 Mbps, UL 50 Mbps	• LTE DL 150 Mbps, UL 50 Mbps
WWAN Modem	Supported frequency bands	- GSM/GPRS/EDGE: 850/900/1800/1900 MHz (B2, B3, B5, B8) - UMTS/HSDPA/HSUPA/HSPA+: 800-850/900/AWS (1700/2100)/1800/1900/2100 MHz (B1, B2, B4, B5, B6, B8, B19)	UMTS/HSDPA/HSUPA/HSPA+: 800-850/900/AWS (1700/2100)/1800/1900/2100 MHz (B1, B2, B4, B5, B6, B8, B19)	UMTS/HSDPA/HSUPA/HSPA+: 800-850/900/AWS (1700/2100)/1800/1900/2100 MHz (B1, B2, B4, B5, B6, B8, B19)
	Max. connectivity speeds	• DC-HSPA+ DL 42 Mbps, UL 5,76 Mbps	• DC-HSPA+ DL 42 Mbps, UL 5,76 Mbps	• DC-HSPA+ DL 42 Mbps, UL 5,76 Mbps
	Rx Diversity	Simultaneous Equalization and Rx Diversity on all bands	Simultaneous Equalization and Rx Diversity on all bands	Simultaneous Equalization and Rx Diversity on all bands
WWAN Antenna	Antenna connector	1 × SMA: WWAN Main 1 × SMA: WWAN Div/GPS	1 × SMA: WWAN Main 1 × SMA: WWAN Mimo/Div/GPS	1 × SMA: WWAN Main 1 × SMA: WWAN Mimo/Div/GPS
GPS		- Standalone GPS, Assisted GPS, GPS OneXTRA™ - Wideband GPS processing (20MHz) for improved measurement accuracy - Passive/active GPS antenna support	- Standalone GPS, Assisted GPS, GPS OneXTRA™ - Wideband GPS processing (20MHz) for improved measurement accuracy - Passive/active GPS antenna support	- Standalone GPS, Assisted GPS, GPS OneXTRA™ - Wideband GPS processing (20MHz) for improved measurement accuracy - Passive/active GPS antenna support
SIM	USIM/SIM connection – Class B and Class C	✓	✓	✓
CPU		i.MX280 (ARM926EJ-S @ 450 MHz) Memory available for customer apps 512 MB Flash (20 MB for data, 30 MB for application, 372 MB extra data partition)	i.MX280 (ARM926EJ-S @ 450 MHz) Memory available for customer apps 256 MB Flash (20 MB for data, 30 MB for application, 0 MB extra data partition)	i.MX280 (ARM926EJ-S @ 450 MHz) Memory available for customer apps 256 MB Flash (20 MB for data, 30 MB for application, 0 MB extra data partition)
Ethernet (IEEE 802.3)	10/100Mb/s RJ45 Connector	✓	✓	✓
microSD card holder		on main PCB	on main PCB	on main PCB
Power control	Timed Wakeup	✓	✓	✓
	Ignition Sensing	✓	✓	✓
Battery	Optional	Li-Ion battery: optional last gasp function (up to 1h with limited functionality) Battery backup RTC (7 days)	Li-Ion battery: optional last gasp function (up to 1h with limited functionality)	Li-Ion battery: optional last gasp function (up to 1h with limited functionality)
Power input		- DC input voltage: 9-33 V DC - Connector: Micro-Fit 3.0TM, Dual row, 4-position	- DC input voltage: 9-33 V DC - Connector: Micro-Fit 3.0TM, Dual row, 4-position	- DC input voltage: 9-33 V DC - Connector: Micro-Fit 3.0TM, Dual row, 4-position
USB		✓ with optional expansion card	✗	✗
Rear Expansion card		✓ with optional expansion card	✓ with optional WAN or LoRa expansion card	✗
Front Expansion card		✓ with optional expansion card	✗ fixed functionality: I2C, 3 x GPIO, RS485 or RS232 and CAN bus port (up to 1 Mbps)	✗
Aluminium Case	Dimension (115 × 105 × 45mm)	115 × 106 × 45 mm 4.52 × 4.17 × 1.77 in	115 × 106 × 45 mm 4.52 × 4.17 × 1.77 in	115 × 106 × 45 mm 4.52 × 4.17 × 1.77 in
	Weight	285 g / 10.05 oz	285 g / 10.05 oz	285 g / 10.05 oz
	Mounting, Bulkhead, 4x M4 holes, DINrail with adapter	✓	✓	✓
	System status LED	✓	✓	✓
Environ-mentals	Operating temperature	-30°C to +70°C / -22°F to 158°F	-30°C to +70°C / -22°F to 158°F	-30°C to +70°C / -22°F to 158°F
	Storage temperature	-40°C to +85°C / -40°F to 185°F	-40°C to +85°C / -40°F to 185°F	-40°C to +85°C / -40°F to 185°F
	Mounting, Bulkhead, 4x M4 holes, DIN rail with adapter	5% - 95%	5% - 95%	5% - 95%
Certifications		CE, FCC, PTCRB, ISCED, AT&T, VZW, US Cellular	CE, FCC, PTCRB, ISCED, AT&T, VZW, US Cellular	CE, FCC, PTCRB, ISCED, AT&T, VZW, US Cellular
Std. compliance	ROHS, Reach, WEEE	✓	✓	✓
CloudGate Universe	Device can be configured OTA using CloudGate Universe	✓	✓	✓
For developers	CloudGate development kit: developer board, breadboard, SDK, HDK	✓	✓	✓
In the box	Accessories are available (i.e. Power cable, antenna's etc...)	CloudGate Gateway	CloudGate Gateway	CloudGate Gateway
Product Code		CG0124	CM1123	CM0125